

20000124.qrp v01_n710.qrl.20000124

Date: Mon, 24 Jan 2000 19:03:04 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1710

QRP-L Digest 1710

Topics covered in this issue include:

- 1) [61154] cacle
by Tony <ka9fax@mailbox1.com>
- 2) [61155] Mini-dxpedition V47-
by "Thaire Bryant" <tbry37@ici.net>
- 3) [61156] (no subject)
by Wa3ptg@aol.com
- 4) [61157] Re:Feedline Tests (Must Read)
by Ed Loranger <we6w@netzero.net>
- 5) [61158] QRP vacation/ Whistler, Canada
by N10DL@aol.com
- 6) [61159] Re: efficiency problem?
by JClinton46@aol.com
- 7) [61160] HB: Balun Core
by Wa3ptg@aol.com
- 8) [61161] FOX: AF5Z Final Log
by "Bob Helms" <af5z@inetport.com>
- 9) [61162] Re:Feedline Measurements (WHAT, NO CHART?)
by Ed Loranger <we6w@netzero.net>
- 10) [61163] Re: efficiency problem?
by Jim/Julia <w7ls@blarg.net>
- 11) [61164] PT7WX on 14.004 at 0314 UTC 1-24-00
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 12) [61165] re: Ten-Tec Qrp Rigs
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 13) [61166] OPER: Re: PT7WX on 14.004 at 0314 UTC 1-24-00
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 14) [61167] FS: TenTec 6M Transverter
by "Mark M." <markem@primenet.com>
- 15) [61168] FS: Unbuilt WM-20 w/Enclosure
by "Mark M." <markem@primenet.com>
- 16) [61169] 160 one way
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
- 17) [61170] QRQ Net Report.
by Ed Loranger <we6w@netzero.net>
- 18) [61171] Fox allert k8cv
by "Walt Amos" <waltamos@surfree.com>
- 19) [61172] WTB: ARRL Handbook (1996 / newer) and QRP Qrtly issues

- by K7GT@aol.com
- 20) [61173] Replacement Microphone for HR2600???
- by "James P. Rybak" <jrybak@mesastate.edu>
- 21) [61174] Back in business and new email address...
- by AdamN7YA@aol.com
- 22) [61175] corrected fox log 1/21 N7CQR
- by Dan Presley <talljazz@teleport.com>
- 23) [61176] Isle of Man ARS "Lemon Challenge"
- by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 24) [61177] Fox log: a few more corrections for 1/21
- by Dan Presley <talljazz@teleport.com>
- 25) [61178] FS:MFJ9440X 40 Meter CW/SSB QRP Transceiver
- by ABCQRP <w6abc@yahoo.com>
- 26) [61179] MIA Hamfest
- by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 27) [61180] 160m de AZ
- by "Chuck Adams K7Q0" <k7qo@primenet.com>
- 28) [61181] OT: QST article on 75A-4
- by "Tom Bowman" <tbowman@nbn.net>
- 29) [61182] RE: QST article on 75A-4
- by Karl Kanalz <KKanalz@excel.com>
- 30) [61183] 160M, storm, & Geoclock
- by Jim Hale <kj5tf@yahoo.com>
- 31) [61184] K1EL-K10 KEYER
- by ARDUJENSKI@aol.com
- 32) [61185] Kit building
- by Richard Matthews <prm@hiwaay.net>
- 33) [61186] DSL Internet conn. (OT/long)
- by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 34) [61187] Very Nice QRP Homebrewers Web Page
- by Bill Jones <kd7s@psnw.com>
- 35) [61188] Re: Subject: [60856] Going Solar
- by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 36) [61189] RE: 30m QRP Frequency
- by Karl Kanalz <KKanalz@excel.com>
- 37) [61190] Re: XCVR: toroid winding help needed for RHR40/NC20.
- by Allan G Taylor <agtaylor@llnl.gov>
- 38) [61191] Ramada Radiator revisited
- by JFStrain@aol.com
- 39) [61192] HB: Dan's Kits Centennial Transceiver?
- by wb2vuo@juno.com
- 40) [61193] Antenna Question
- by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 41) [61194] Polar Co-ordinate exam questions etc
- by Rod Johnson <ka7you@juno.com>
- 42) [61195] Re: QST article on 75A-4
- by "George T. Baker" <w5yr@worldnet.att.net>
- 43) [61196] KIT: NOGAPIG "On Guard during Kit Construction"

- by Sam Billingsley <SBillingsley@usaninc.com>
- 44) [61197] Re: QST article on 75A-4... Urban legend???
- by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 45) [61198] RE: 30m QRP Frequency
- by af852@rgfn.epcc.edu (William R Colbert)
- 46) [61199] Re: QST article on 75A-4... Urban legend???
- by "KA5T Larry Wise" <lewise@inetport.com>
- 47) [61200] Re:Feedline Loss; CPU Ribbon OK IF!
- by Ed Loranger <we6w@netzero.net>
- 48) [61201] FYBO 2K is almost upon us
- by Roger Hightower <n7kt@earthlink.net>
- 49) [61202] RE: 30m QRP Frequency
- by Curt Milton <wb8yyy@yahoo.com>
- 50) [61203] RE: Kit building
- by "AI2Q Alex" <ai2q@ispchannel.com>
- 51) [61204] Re: QST article on 75A-4... Urban legend???
- by "Mike Yetsko" <myetsko@insydesw.com>
- 52) [61205] Keyer Question
- by w2xn@juno.com
- 53) [61206] Re: QST article on 75A-4
- by Pete Burbank <plburbank@kih.net>
- 54) [61207] AR QRP Millennium challenge.
- by Ed Loranger <we6w@netzero.net>
- 55) [61208] Swiss Navy Projects
- by "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
- 56) [61209] HB: Euramcom web pages
- by "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
- 57) [61210] Re: QST article on 75A-4
- by Monte Stark <ku7y@dri.edu>
- 58) [61211] Re: FYBO 2K is almost upon us
- by Roger Hightower <n7kt@earthlink.net>
- 59) [61212] Re: 30m QRP Frequency
- by K2UD@aol.com
- 60) [61213] RE: Feedline Loss; CPU Ribbon OK IF!
- by Mike Gipe <mgipe@reliablemeters.com>
- 61) [61214] Using the RS 10 Meter XCVR on CW???
- by "James P. Rybak" <jrybak@mesastate.edu>

Date: Sun, 23 Jan 2000 17:58:01 -0600
From: Tony <ka9fax@mailbox1.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61154] cancel
Message-ID: <388B9588.128A50C@mailbox1.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hello all, i need to cancle this fer now im haveing email problems. can someone tell me hw to do this. tnx, tony hobart in. ka9fax

Date: Sun, 23 Jan 2000 19:17:11 -0500
From: "Thaire Bryant" <tbry37@ici.net>
To: <qrp-l@lehigh.edu>
Subject: [61155] Mini-dxpedition V47-
Message-ID: <200001240021.TAA26768@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I will be on the island of Nevis in the caribbean from 28/Jan through 6/Feb signing V47JR. I'll be hanging near the QRP freqencies 40-10M in the AM and again in the late afternoon and evening.

Joining me will be two friends from the UK:

Jim Williamson G00FET V47JW
Ann Williamson G00RAO V47AW

They will be operating SSB with an Icom 706. I'll be using the Sierra and the Norcal 40A. Antennas will include a 44' flat top, a Windom, and an "up and outer" from the G-QRP antenna book. Hope to catch some of you on the air. I'll tend to favor 30M, 18M, and 12M.

Thaire W2APF

Date: Sun, 23 Jan 2000 19:29:05 EST
From: Wa3ptg@aol.com
To: qrp-l@lehigh.edu
Subject: [61156] (no subject)
Message-ID: <9f.10a8fb2.25bcf6d1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang

The homebrew bug has bitten again!

I need a BN-43-202 balun core. Can't get on the bytemark site, and Dan's doesn't sell 'em anymore (I just looked).

Does anyone know where I can get one, or suggest a substitute?

This is for a Doug DeMaw 5-watt RF amp from the QRP books.
Thanks!

72 DE WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Sun, 23 Jan 2000 16:30:30 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [61157] Re:Feedline Tests (Must Read)
Message-ID: <388B9D26.49C32B4C@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well! Quite a lot of fun measuring the 3 feedlines.

This time it is in the book! The 15th edition [1988] of the Antenna Handbook. Chapter 24-13. There is a chart. The chart had 3 paramaters nomographed:
Input VSWR, Load VSWR, dB Loss.

Basically for the feedline test, you get ANY value resistor and check it on the RF-1 Antenna analyzer and log the LOAD VSWR. Then connect the resistor at the end of you transmission line and MEASURE INPUT VSWR.

Locate 'Load VSWR' on the bottom horizontal, Locate Input VSWR dashed line in the graph and the intersection hits a solid "Loss dB" line for the result.

Anyone can do this with a VSWR Meter of sufficient calibration or antenna analyzer.

Here is my measured data: (37.5 feet lines)
===== Load/Input VSWR Loss dB

Teflon Twisted pair====>	5.5 / 5.5 to 5.3	.01 to .05 dB
300 R/S twinlead =====>	5.5/ 5.1	.10 dB
CPU Ribbon line =====>	5.5/ 4.1	.6 dB

Multiply loss numbers by 2.667 for loss at 100 feet.

NOTE: Teflon Homebrew varied depending on if I moved it around. The twists are loosening up without my usual glass tape I use in permanent builds.

The other two were stable due to the connective dielectric.

Now, everyone with an RF-1 or MFJ-259 needs to get a resistor and 37.5 feet of feedline and do the test and see what they get.

Just think, you can test your existing system with this method.

First measure VSWR Load AT the antenna. Connect up feedline to the antenna. Then go to the feedline just after the ATU and measure the VSWR there with your ant. analyzer and check out YOUR losses on the chart.

I hope this is useful. I'm positive these are real numbers.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Sun, 23 Jan 2000 19:34:33 EST
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [61158] QRP vacation/ Whistler, Canada
Message-ID: <3b.51ee7e.25bcf819@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I am leaving for Whistler, BC, Canada for one week for a ski vacation

starting January 25 to Feb. 1st. I am taking my Wilderness SST-20 and 40 with me. I will be trying to get on the air around 6:00 to 8:00 most nights. I will be around the 14.057-58 area and 7.041-42 area. Will be using my Gusher 20-20 dipole and my ZM-2 tuner. (what a great rig) Probually more on 40 meters. Would hope I can make a few contacts. Keep a listen please....

Thanks

Aron Brown

N10DL/VE7

Bedford, NH and sooon Whistler, BC

FISTS#4110

Date: Sun, 23 Jan 2000 19:39:58 EST

From: JClinton46@aol.com

To: qrp-1@lehigh.edu

Subject: [61159] Re: efficiency problem?

Message-ID: <44.12e950c.25bcf95e@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

In a message dated 1/23/2000 11:49:37 AM Eastern Standard Time, wd3p@juno.co=
m=20

writes:

<=<=20

>Freezing... I didn't kneaux theromometers read on the other side of=20

>zero! _____=20

=20

I have been told that the fellow who developed the Fahrenheit scale set it up so the lowest reasonable temperature was zero and the highest was 100. Then some fellow came along and said the freezing point of water should be zero and set up a Celsius scale. Ever since then we keep getting these negative numbers. So Joel you can blame him - it's nothing more than a spill over effect from C to F. Or you can solve your problem by moving south - my low so far it 10 - no negatives yet. Haven't seen one of those in a few years.

>>

You can also go to the Kelvin scale. It increments the same as the Celsius=20 only it doesn't have negative numbers. Zero K is absolute zero (-273.15=B0C)=
. A=20

temperature where all atomic movement stops and as such will probably never=20 be recorded.=20

Clint

KE4FDT

Date: Sun, 23 Jan 2000 19:42:37 EST
From: Wa3ptg@aol.com
To: qrp-l@lehigh.edu
Subject: [61160] HB: Balun Core
Message-ID: <40.aa5232.25bcf9fd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I found them.

Ocean States Electronics, Page 50. 65 cents.

Thanks anyway!

72 DE WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Sun, 23 Jan 2000 19:09:31 -0600
From: "Bob Helms" <af5z@inetport.com>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Subject: [61161] FOX: AF5Z Final Log
Message-ID: <200001240110.TAA29970@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ok fellows - Hopefully I now have all the corrections and changes.
I'll wait another week for any remaining edits and then send this
log to both Paul Valko (momma fox) and Bruce Rattray (team score
keeper).

Log below is for January 19, 2000 FOXHUNT.

FOX - - AF5Z 599 TX BOB 984

SEQ	TIME	CALL	RST	SPC	N A M E	NR	POWER
1	101	K5OI	599	NM	TIM	73	#N/A
2	101	W1XT	579	AZ	BOB	262	#N/A
3	102	W0CH	599	MO	DAVE	618	#N/A

4	103	K0EVZ	579	ND	DOC	861	#N/A
5	104	N0EA	559	MO	WAYNE	1058	#N/A
6	105	N0EHW	599	MO	TIM	2047	#N/A
7	106	W0JOE	559	MO	JOE	1901	#N/A
8	107	N9AW	579	WI	JERRY	1271	#N/A
9	107	N0UR	579	MN	JIM	799	#N/A
10	108	N8VAR	559	OH	RON	263	#N/A
11	109	AB5UA	579	OK	CLIF	478	#N/A
12	109	K5AAR	559	OK	DON	1512	#N/A
13	110	AA0ZZ	559	MN	CRAIG	1238	#N/A
14	111	N0DT	559	MO	DAN	1004	#N/A
15	112	N0AR	599	MN	SCOTT	1455	#N/A
16	113	N1TP	599	FL	TOM	1317	#N/A
17	113	K5ZTY	559	TX	BILL	473	#N/A
18	114	AE4Y	569	GA	KENT	844	#N/A
19	115	KU7Y	599	NV	RON	17	#N/A
20	115	AB7CE	559	MT	ROY	1494	#N/A
21	116	NV4V	559	KY	PETE	721	#N/A
22	117	K8CV	559	MI	WALT	935	#N/A
23	118	W2XN	559	FL	FRED	1728	#N/A
24	119	N8IE	559	OH	DAN	1404	#N/A
25	120	N4XDW	599	AL	JAY	1372	#N/A
26	121	K7RE	559	AZ	BRIAN	404	#N/A
27	121	AF4PS	559	GA	CHUCK	785	#N/A
28	123	N5CLU	559	KS	STEVE	378	#N/A
29	125	KU4AF	559	NC	JOHN	87	#N/A
30	126	N4ROA	559	VA	DAN	970	#N/A
31	127	VA7NT	599	BC	PAUL	20	#N/A
32	128	WE6W	559	CA	ED	1068	#N/A
33	128	K1MG	579	CA	MIKE	614	#N/A
34	129	N3AO	559	PA	CARTER	2111	#N/A
35	133	N1LN	559	TX	BRUCE	2049	#N/A
36	133	K5UP	599	OK	GLEN	21	#N/A
37	134	AE2T	599	NY	AL	1664	#N/A
38	135	NQ7X	559	AZ	FLOYD	343	#N/A
39	135	KI7MN	599	AZ	BOB	271	#N/A
40	137	KB9IUA	599	IL	KEVIN	384	#N/A
41	137	NA6E	449	CA	MARY	177	#N/A
42	138	K5OT	559	OK	LEN	#N/A	2W
43	139	VE5RC	559	SK	BRUCE	886	#N/A
44	140	WB8RCR	579	MI	JOHN	1446	#N/A
45	141	K0PC	559	MN	PAT	1964	#N/A
46	142	K1VP	559	NH	ED	1960	#N/A
47	143	K1JD	33	RI	JOHN	1945	#N/A
48	144	W0RSP	559	SD	ADE	661	#N/A
49	146	W8SFF	559	MI	STEVE	1288	#N/A
50	147	W0RW	599	CO	PAUL	1284	#N/A
51	148	N0TU/M	599	CO	STEVE	911	#N/A

52	151	K4JSI	559	MD	CALVERT	#N/A	4W
53	152	AF4PS	559	FL	MAC	704	#N/A
54	153	N6WG	559	CA	BOB	26	#N/A
55	155	KK5LD	559	TX	DAN	2052	#N/A
56	156	WW7Y	559	UT	STEVE	94	#N/A
57	157	NW7DX	559	WA	BEN	1892	#N/A
58	159	AB8DF	339	MI	ED	1444	#N/A
59	201	K7TQ	559	ID	RANDY	102	#N/A
60	202	KC1FB	559	CT	JIM	29	#N/A
61	203	KI0II	549	CO	RON	928	#N/A
62	204	NK6A	569	CA	DON	1517	#N/A
63	205	W7ILW	559	AZ	HOWARD	2010	#N/A
64	206	WA9PWP	569	WI	PAUL	127	#N/A
65	207	N7RR	449	WA	BRUCE	1688	#N/A
66	208	WD8KQY	579	OH	GARY	446	#N/A
67	212	N7XY	599	AZ	BOB	1985	#N/A
68	214	N7CQR	559	OR	DAN	502	#N/A
69	216	VE6EWM	559	AB	EARL	1076	#N/A
70	222	K0YWD	559	MT	SKIP	2003	#N/A
71	226	W2APF	599	MA	THAIRE	2062	#N/A
72	236	VE5QRP	559	SK	BRUCE	#N/A	5W
73	237	N3YSI	579	PA	PAUL	1835	#N/A
74	238	KA5T	599	TX	LARRY	89	#N/A
75	240	KF2PH	579	NY	NICK	13	#N/A
76	241	NF0R	559	MO	DAVE	33	#N/A
77	243	W0QE	599	CO	LARRY	#N/A	50W
78	245	VE1MT	559	NS	LAYTON	1448	#N/A
79	247	KK5VH	599	TX	JOHN	1700	#N/A
80	249	N2LO	599	NJ	BOB	#N/A	4W
81	252	K6TM	559	CA	RICH	1092	#N/A
82	253	K4LL	569	GA	TOD	#N/A	3W
83	254	KU4Q0	599	FL	MIKE	#N/A	5W
84	258	K2JQ	599	NY	DICK	1811	#N/A
85	259	K0EVZ	579	ND	DOC	1968	#N/A

Thanks to all who participated.

72,
Bob Helms, AF5Z
af5z@inetport.com

Date: Sun, 23 Jan 2000 17:40:06 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [61162] Re:Feedline Measurements (WHAT, NO CHART?)

Message-ID: <388BAD76.770258A9@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok gang, if you don't have the special chart, here are the formulas to use. Cool!

First measure the load VSWR. (Sload or Sl)
Measure the input of the feedline with that load connected at the end. (Sinput or Si)

Convert to "A" and "C" values with:

$A = (S_i + 1) / (S_i - 1)$
 $C = (S_l - 1) / (S_l + 1)$
Loss dB = $10 * \log_{10}(A * C)$

So for the ribbon line, 37.5 feet at 30 MHz I verify with:
Sl=5.5
Si=4.1
A=1.64516
C=.6923
 $10 * \log_{10}(A * C) = .565$ dB (Close to my chart value 0.6 dB)

So cool. No need for the chart now.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Sun, 23 Jan 2000 18:24:06 -0800
From: Jim/Julia <w7ls@blarg.net>
To: JClinton46@aol.com, qrp-1@lehigh.edu
Subject: [61163] Re: efficiency problem?
Message-ID: <388BB7C6.6AA1607C@blarg.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

The way I was told in physics class at UW was that Mr. Fahrenheit chose a commonly available slurry that transformed between solid and liquid phases at what we call 0 degrees F, and the human body temperature for 100. The only problems with that were that (1) people vary in their normal body temperatures, and (2) his single test subject was his wife, and she had a fever that day, thereby throwing off the upper scale. If he had chosen an average of a bunch of healthy people, our normal body temperatures today would be known as 100 degrees F.

Jim W7LS

JClinton46@aol.com wrote:

> In a message dated 1/23/2000 11:49:37 AM Eastern Standard Time, wd3p@juno.com
> writes:
>
> <<
> >Freezing... I didn't kneaux theromometers read on the other side of
> >zero! -----
>
> I have been told that the fellow who developed the Fahrenheit scale set
> it up so the lowest reasonable temperature was zero and the highest was
> 100. Then some fellow came along and said the freezing point of water
> should be zero and set up a Celsius scale. Ever since then we keep
> getting these negative numbers. So Joel you can blame him - it's nothing
> more than a spill over effect from C to F. Or you can solve your problem
> by moving south - my low so far it 10 - no negatives yet. Haven't seen
> one of those in a few years.
> >>
> You can also go to the Kelvin scale. It increments the same as the Celsius
> only it doesn't have negative numbers. Zero K is absolute zero (-273.15 C). A
> temperature where all atomic movement stops and as such will probably never
> be recorded.
>
> Clint
> KE4FDT

Date: Sun, 23 Jan 2000 22:13:44 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [61164] PT7WX on 14.004 at 0314 UTC 1-24-00
Message-ID: <388BC367.CE9D1A50@ix.netcom.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fernando, PT7WX is on 20m -- FB sig into Northern VA -- came right back to my call with a 599 -- I'm using 5watts and an attic dipole.

Good Luck,

Jake -- N4UY
Vienna, VA
(Washington DC suburbs)

Date: Sun, 23 Jan 2000 22:16:56 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, clair@gateway.net
Subject: [61165] re: Ten-Tec Qrp Rigs
Message-ID: <388BC428.84D8544B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have the 1330 and it was fun to build and works just fine.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sun, 23 Jan 2000 22:33:36 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <jakecart@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61166] OPER: Re: PT7WX on 14.004 at 0314 UTC 1-24-00
Message-ID: <000901bf661b\$cd4710c0\$0628f7a5@net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Jake and gang,

I also worked PT7WX on 14.003.41 at 03:11 UTC tonight using one watt to a 20M inverted-vee up about 45'. His manager is W3HC per the GoList and Buckmaster.

GL

72 Kevin N2TO
Brooklyn, NYC
kfglynn@mindspring.com

Date: Sun, 23 Jan 2000 20:37:18 -0700
From: "Mark M." <markem@primenet.com>
To: qrp-1@lehigh.edu
Subject: [61167] FS: TenTec 6M Transverter
Message-ID: <3.0.6.32.20000123203718.0093f100@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For sale: TenTec 1208 20M-to-6M transverter. Built from kit. Works fine.
Little used. \$75 shipped CONUS.

Email for details....markem@primenet.com

73... Mark AA7TA

Date: Sun, 23 Jan 2000 20:49:32 -0700
From: "Mark M." <markem@primenet.com>
To: qrp-1@lehigh.edu
Subject: [61168] FS: Unbuilt WM-20 w/Enclosure
Message-ID: <3.0.6.32.20000123204932.00945b30@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My stock of kits has greatly exceeded my supply of time to build them.

I have an unbuilt Small Wonder Labs WM-20 kit, with enclosure, to sell.
It's in the original packing, never opened. Check out the details at
<http://www.smallwonderlabs.com/> for specs, etc. It's a pretty spiffy little
rig, I just don't have time to build (nor, likely, use) it.

Sells for \$160 plus shipping...I'll sell this one for \$145, shipped CONUS.

73... Mark AA7TA

Date: Sun, 23 Jan 2000 22:54:54 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <qrp-l@Lehigh.EDU>
Subject: [61169] 160 one way
Message-ID: <002701bf661f\$8409b030\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hey 160 ops...

Not sure what was going on tonight;
my noise floor was low an S1 on my K2 meter).
All 160 meter qso RST's that I sent tonight were a lot weaker here than the
reports they gave me. Typical was I sent a 329 and rcvd a 559 from folks
I've worked before where the RST exchanges were usually about the same.
Also, typical for tonight, the qso started out good and then the other
staion would qsb to where I could hardly hear them but tghe could hear me
fine.
Must be Rod Serling doing his thing ??

So am I transmitting better with a snow ground plane ???

And yes, all my connections are FB here, mentally too :)

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - NE suburb of Cincinnati
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Sun, 23 Jan 2000 20:24:10 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [61170] QRQ Net Report.
Message-ID: <388BD3EA.3571EDED@netzero.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang, well I have GREAT news and some
drivel about the 13-24 WPM QRQ portion of the
net.

Foist, the QRQ-lowend net which runs from 13-24
WPM had no taker except NB6M/MM who was
just checking in on the band and that he hoped the
band would hold for the Hi-end QRQ net at 7 PM.
Other than Wayne, I spent the 45 minutes solo. It
was good practice for me, and calling CQ's after each
group of traffic sentences. I fear the QRQ low-end
net is to be history by mid-February.

I didn't realize this is probably the 6 PM Sunday
"Kiss of death". The local boatanchors net was
a Sunday at 6 PM and I nearly cried when TR shut
it down.

AT 7 PM I found no takers until 7:11 PM (0311Z) on
the QRQ net freq. 7039 KHz. Actually, it was the
QSO's in progress there that caused me to hop around
but eventually I got the freq.

On the Hi-end net, K7TQ and I had many rounds and
NB6M/MM was able to get in 1 or two before QSB
took the wind from his sails. <get it?> /MM, wind/sails?

Ok. NW7DX/Ben was sick and we QSO's before the net
that he's got a fever and parents taking him to the doctor
tonight. He'll be fine he said.

K7TQ and I had a blast. Both of us are getting the spacing
real tight. I got up to 42 WPM or so, and felt in charge of
them Norcal paddles! Having hardly typed since Dec. 7th due
to my aching hands and carpal tunnel, the rest is allowing me
to recover my keying.

Anyway, the Hi-end QRQ practice is alive and well but there
just doesn't seem to be interest in 13-24 WPM, at least
from stations who can reach me.

I think W5XE tried to check in and peaked at 569 but QSB
got him. Also another 6 call was 599 but got confused, I
think he was calling K7QT who is a regular on the band

but QRO, and sounded like Randy's call, K7TQ caught his attention.

Oh, the WX is POURING RAIN. My feedline is soaked and the SWR was way up there. I had 3 of my 5 watts reflecting back but seemed to get to Idaho OK. I'm gonna take them 80 Meter band extensions off so I get a manageable input impedance. Just too tough tuning HI-Z in the rain.

I hope more can make the net next Sunday.

13-24 WPM Lo-end QRQ; Sunday 6 PM; 7039 KHz. (0200Z Monday UTC)

18-40+ wpm Hi-End QRQ; Sunday 7 PM; 7039 KHz (0300Z Monday UTC)

Sweet practice. 72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Mon, 24 Jan 2000 04:54:32 -0000
From: "Walt Amos" <waltamos@surfree.com>
To: "Qrp-l Posts" <qrp-l@lehigh.edu>
Subject: [61171] Fox alert k8cv
Message-ID: <003d01bf6627\$f276e8a0\$43891b26@walatk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi :

I will be the FOX on Tuesday evening and operate around 7.042 or 7.037 the time will be 9:00 PM EST or

1/26/2000 @ 02:00 GMT

3 1 20 3 8 13 5 9 6 25 15 21 3 1 14

6 15 24

Date: Mon, 24 Jan 2000 00:49:21 EST
From: K7GT@aol.com
To: qrp-1@lehigh.edu
Subject: [61172] WTB: ARRL Handbook (1996 / newer) and QRP Qrtly issues
Message-ID: <68.fdc5b4.25bd41e1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I just last November signed up with QRP ARCI and got my first issue of their journal yesterday. FANTASTIC! A great source of ideas and info. Anyway, I would like to now see if I can locate to trade for or purchase outright back issues of QRP Quarterly to enhance my library. (I have complete QST to Jan 1945).

Also, I found an article I would like to pursue that is not in my current copy of the ARRL Handbook (1995) and would like to find a somewhat more current one. In particular, I am contemplating doing an Oregonian variant of the "Georgia Sierra" and need the original Handbook article for a reference.

Thanks all for the bandwidth and have a great week!

73 Allan K7GT k7gt@aol.com (home) or k7gt@arrl.net (work)

Date: Sun, 23 Jan 2000 22:58:36 -0700 (MST)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-1@lehigh.edu
Subject: [61173] Replacement Microphone for HR2600???
Message-ID: <Pine.LNX.4.10.10001232257300.12479-100000@mesastate.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone suggest a good replacement microphone for the HR2600?

Thanks.

Jim Rybak W0KSD

Date: Mon, 24 Jan 2000 01:43:53 EST
From: AdamN7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [61174] Back in business and new email address...
Message-ID: <e3.7323f3.25bd4ea9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Ok Gang, This is just a reminder to those who were members of any one of my three other lists i own that things are back on track. If you were a member of Bugs and Keys, Low Power DX or Coastal Radio, you may start posting again. I really apologize for the delay.

If you never were a part of these lists but are interested in joining, they are all on egroups.com...simply send a blank email to (list name)-subscribe@egroups.com...remember to remove the spaces from the list names. or just contact me directly off this list and ill hook you up.

Also, i have a new email address, if you need to contact me, its AdamN7YA@aol.com.

Sorry for the bandwidth and the delay...Thanks.

73...Adam, N7YA

Date: Sun, 23 Jan 2000 22:51:16 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Subject: [61175] corrected fox log 1/21 N7CQR
Message-ID: <v03007826b4b1a65518b7@[216.26.3.224]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Thanks to all for the 'cleanups' on the log. Lots of fun and a good learning experience.

<bold><fontfamily><param>Chicago</param><color><param>FFFF,0000,0000</param>=
<bigger>CALL UT
RST RCV RST Sent SPC Name QRP-L #/Pwr

=09

</bigger></color></fontfamily></bold><bigger><fontfamily><param>Geneva</para=
m>N7RR 200 599` 599 WA Bruce 1688

N9AW 202 579 559 WI Larry 1271

K0EVZ 203 569 559 ND Doc 861

N6XU 204 599 599 CA Stan 66

N0UR 206 599 55N MI Jim 799

K0YWD 207 599 559 MT Skip 2003

AB5UA 208 559 559 OK Cliff 478

K5ZTY 209 559 559 TX Bill 473

WW7Y 210 559 559 UT Steve 94

WE6W 211 599 599 CA ED 1068

AK1P 213 599 559 CA Paul 284

</fontfamily></bigger><fontfamily><param>Geneva</param><smaller>N7VE
214 559=
559 AZ Dan 696

</smaller><bigger>KI0II 215 579 559 CO Ron 928

W7ILW 216 559 559 AZ Howard 2010

AB7CE 217 559 559 MT Roy 1494

NQ7X 219 579 559 AZ Floyd 343

W0RSP 220 559 559 SD Ade 661

N6WG 221 559 559 CA Bob 26

N5TW 222 579 559 TX Tom 1474

W0RW 224 559 559 CO Paul 1284

KU7Y 225 599 599 NV Ron 17

K7RE 226 559 559 AZ Brian 404

K1MG	227	599	599	CA	Mike	614	
N0DT	229	559	559	MO	Dan	1004	
VE6EWM	231	559	559	AB	Earl	1076	
VE5RC	232	339	559	SK	Bruce	886	
N0EA	233	559	559	MO	Wayne	1058	
K5AAR	235	559	559	OK	Don	1512	
N1LN	237	559	559	TX	Bruce	2049	
K50I	239	559	559	NM	Tim	73	
W0CH	240	559	559	MO	Dave	618	
AB8DF	241	559	559	MI	Ed	1444	
K8CV	243	559	559	MI	Walt	935	
WD8KQY	247	559	559	OH	Gary	446	
W0J0E	250	559	559	MO	Joe	1901	
W5SB	255	559	559	TX	Bill	1289	
KE6RS	258	559	55	CA	Ron	156	
N4ROA	300	559	559	VA	Dan	970	
N1TP	304	569	559	FL	Tom	1317	
KI7MN	307	579	559	AZ	Bob	271	
AF5Z	308	579	559	TX	Bob	984	
NV4V	309	559	559	KY	Pete	721	
K1JD	311	559	339	RI	Bill	1945	
W8SFF	312	559	559	MI	Steve	1288	
K50T	313	579	559	OK	Len	2w	
WS4S	317	569	559	TN	Conrad	993	

</bigger><smaller>NK6A 318 569 559 CA Don 1517
</smaller><bigger>KQ5U 319 559 559 Tx Terry 1603
K5VUU 321 559 559 TX Ed 1343
N0TU 323 599 559 CO Steve 911
W9UQB/7 326 569 559 AZ Mike 413
N5EN 327 559 559 TX Steve 2071
KC1FB 343 559 559 CT Jim 29
N4XDW 350 559 559 AL Ray 1372
K0PC 352 MN 559 559 Pat 1964
W2XN 356 FL 559 559 Fred 1728
AE2T 358 NY 559 559 Al 1664
AF4PS 359 FL 559 559 Mac 704</bigger></fontfamily>

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Sun, 23 Jan 2000 22:15:31 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: QRP-L@Lehigh.edu, GQRP@onelist.com
Subject: [61176] Isle of Man ARS "Lemon Challenge"
Message-ID: <200001240615.WAA24958@netcom.com>

Do people here know about the "Lemon Challenge"?

<http://www.qsl.net/gt3flh/lemon.htm>

73, doug,

a paid-up member of the IOM ARS

Date: Sun, 23 Jan 2000 23:05:31 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu

Subject: [61177] Fox log: a few more corrections for 1/21
Message-ID: <v0300782bb4b1a9aee1f8@[216.26.3.224]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

<fontfamily><param>Geneva</param><bigger>N9AW 202 579 559
WI Jerry 1271</big=
ger></fontfamily>

<fontfamily><param>Geneva</param><bigger>KE6RS 258 559 559
CA Ron 1786

I'll give it a day, then post a final version</bigger></fontfamily>

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Sun, 23 Jan 2000 23:26:37 -0800 (PST)
From: ABCQRP <w6abc@yahoo.com>
To: QRP-L@Lehigh.EDU
Subject: [61178] FS:MFJ9440X 40 Meter CW/SSB QRP Transceiver
Message-ID: <20000124072637.8103.qmail@web2101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For Sale: MFJ9440X 40 meter SSB/CW Trasceiver.
Variable power output up to 12 watts. In excellent
condition. Includes microphone, manual and original
box. Optional CW board installed. MFJ price \$299. I
would like \$200 Plus \$6 shipping conus. Works great!
I am selling because I just got a K2.
73,
Jack

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Mon, 24 Jan 2000 04:41:39 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-l@lehigh.edu
Subject: [61179] MIA Hamfest

Message-ID: <388C1E50.45895779@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, it looks as if I will be going to Miami for the hamfest in Feb.

Anyone know if any qrp activities are scheduled?

Henry

Date: Mon, 24 Jan 2000 09:26:30 -0600
From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: qrp-1@lehigh.edu
Subject: [61180] 160m de AZ
Message-ID: <200001240925.CAA00936@smtp04.primenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang,

Spent all day Sunday building a HW-8 (not a typo) at 7,000' ASL.
The HW-8 that someone bought off of the dreaded auction
site.... :-). And the price was very very good along with a
working Heath HM-2420 counter already built.

I must tell you that Tarn-X (tm) works great on 25+ year old boards
that have a layer of oxide on them. Same stuff I use on PC boards
for Manhattan projects..... You can find this stuff at the
grocery store in most states.

Now I may be from TX, but I'm not an idiot. :-). I was back at the
contest station with antennas to drool over. One of the rigs was
a new Yaesu FT-847 that would crank down to 3W, so thought I'd try
out a few bands.

First: 17m SSB and the first station to work was a KL7. 8W PEP
and a 5x8 report. OK, proved that SSB QRP works, but I am not going
to make a habit of this. :-). I haven't taken my test on how to use
a microphone yet.

After sunset tried 160m and worked N0TU, Steve in CO. My 3-5W (started
at 3W but cranked it up as conditions were not all that great) with

his 4W on his K2. Steve I was using a 90' vertical (tower with gamma match) and 4 elevated radials on top of a granite mountain at 7K'. My first 160m Q and it was a 2xQRP. 1.810MHz looks like the watering hole for 160m from all the posts that I have seen recently. Electromagnetic waves do work at that low a frequency and even QRP. Of course, this at a station that has over 250 countries on 160m..... (not QRP but he is working on it now....).

I'm waiting on my own antenna farm to be built as we speak..... :-)

FYI

Chuck Adams K7Q0 K7Q0@primenet.com <http://www.qsl.net/k7qo/>

Date: Mon, 24 Jan 2000 06:37:16 -0500
From: "Tom Bowman" <tbowman@nbn.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [61181] OT: QST article on 75A-4
Message-ID: <LPBBKNNCCFBPAKMPADLJIEJLCLAA.tbowman@nbn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Probably the best read in years in this month's QST
on how an un-named ham built a 75A-4 on his lunch hour
while working at Collins Radio.

When I worked at Bethlehem Steel, we
called these "government jobs."

Check it out,

Tom, WA3REY

 <>< Tom Bowman, WA3REY, Mount Gretna, PA 17064
 QRP-L 125

Date: Mon, 24 Jan 2000 06:49:44 -0600

From: Karl Kanalz <KKKanalz@excel.com>
To: "'tbowman@nbn.net'" <tbowman@nbn.net>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [61182] RE: QST article on 75A-4
Message-ID: <2D343922E283D211945C0008C7A41B2A01A7436C@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

When I worked at Collins Radio, they were usually called "Swiss Navy projects". We were always in fear that some day, somehow, an Admiral from the Swiss Navy (the Swiss don't have one!) would suddenly appear, asking for a progress report on all those Swiss Navy Projects!!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Tom Bowman [mailto:tbowman@nbn.net]
Sent: Monday, January 24, 2000 5:37 AM
To: Low Power Amateur Radio Discussion
Subject: OT: QST article on 75A-4

Probably the best read in years in this month's QST on how an un-named ham built a 75A-4 on his lunch hour while working at Collins Radio.

When I worked at Bethlehem Steel, we called these "government jobs."

Check it out,

Tom, WA3REY

<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064
QRP-L 125

Date: Mon, 24 Jan 2000 05:22:07 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [61183] 160M, storm, & Geoclock
Message-ID: <20000124132207.11813.qmail@web703.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This morning (monday) I heard Diz, WB8QYY CQing and answered him at at 11:40Z. The QRN was bad. He copied my 400mW but only when there wasnt lightning strikes.

I went to 4w, but same thing, poor copy. He was running a full QRP gallon, 5w.

Shortly after our QSO I noticed the QRN was gone and band quiet! I checked my email and there was one from Diz with a WX map attached. It showed a big storm over GA/SC. No wonder abt the QRN !

A second look at my Geoclock and the greyline/daylight and it looked like I had the reason why the QRN quit.

I think when daylight came to GA/SC, and Arkansas was still well into the "dark side", the QRN was muted.

If this is what happened it might be usefull information for someone.

72/71's de Jim KJ5TF

=====

Ham radio/alt energy - <http://www.qsl.net/kj5tf/>
<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Mon, 24 Jan 2000 08:57:54 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [61184] K1EL-K10 KEYER
Message-ID: <14.55de83.25bdb462@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Anyone who has used or built a K1EL K10 keyer please contact me direct. I have questions on construction and performance.
73s Alan KB7MBI

Date: Mon, 24 Jan 2000 08:09:50 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-l@lehigh.edu
Subject: [61185] Kit building
Message-ID: <3.0.1.32.20000124080950.00ba73e0@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

We will all probably agree that a big part of QRP enjoyment is the building of the little rig you are QRPing on. The Small Wonder Lab kits, that I have just built, are the first ham radio kits that I have assembled since building an HW-101 Heathkit way back in the late seventies. It is still a lot of fun. I thought some of you other former Heathkit builders might enjoy the article about the history of the Heath Company that I found recently at <http://pacnet.ne.mediaone.net/resources/heathkit.txt>. It surely brings back memories.

I found and bought an old ragged Heathkit AR-3 SW receiver a few days ago. They were sold during the late 50's. The old set doesn't work correctly, but I hope to bring it back to life. See one like it at <http://oak.cats.ohiou.edu/~postr/bapix/AR3.htm>. I would like to lay my hands on a Heathkit AR-3 manual or a copy of one, so if any of you know of one please let me know. Also, I might need some of you expert troubleshooters advice as I start cleaning up the old rig.

While thinking about Heathkits, I thought back over the ones that I have owned through the years. They were a DX-20, DX-40, DX-100, HW-101, a Heath Q-multiplier, grid dip meter, capacitance meter, and an iambic keyerwish I still had them all.

Thanks to all of our QRP kit suppliers for keeping this part of ham radio alive and well.

73,

Richard, WA4NWW

Date: Mon, 24 Jan 2000 09:05:52 -0600
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'Donny'" <yb6ld@arrl.net>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [61186] DSL Internet conn. (OT/long)
Message-ID: <54F85D7F6DE2D01184EF0000F804953502729F9D@MAIL04>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Hello Donny,

We here in the States are very fortunate with our phone service as it is really quite excellent and there is enough competition that costs are generally stable or going down. I'm not an expert in this but tried to learn about the technology before making the switch:

DSL refers to "Digital Subscriber Line" and there are many different flavors of that (e.g. aDSL and xDSL). DSL connections here use the same copper twisted pair that feeds 'plain old telephone service' (or POTS) but typically uses frequencies above the 0 to 4 khz occupied by the POTS audio signal. It is something that needs to be supported by a local phone company or by a provider with access to the local phone company's switching facility. The higher freq. BW used by the DSL connection is the main reason that you need to be within a certain distance (about 2 miles or less by wire in my case) from the local telephone switch. Otherwise there is too much attenuation of the higher frequencies used (just like coax).

For me, the cost of going to a xDSL connection was about a break even transition from my former service (though about 5+ times faster). V.90 connections at my home typically run 43 kbps to 46+ kbps. I formerly had a second phone line and paid for access through a national ISP (AT&T). With the xDSL service used by our provider, you can use your phone at the same time as you are using the DSL internet connection so there isn't any need for a second phone line and they provide an ISP (w/ unlimited usage) as part of the package. My largest expense was for the equipment to network our home (hub and network interface cards (NIC's)) so that the XYL and I could share the connection (abt. \$130 for 5 port 10/100 Mbps hub and 3 NIC's). Fortunately, I had already run CAT 5 cable to the second floor (about 4 years ago) where my wife's computer is located so the hardest part was already done.

My monthly cost is \$35 (for the 256kbps connection with an ISP) and \$12.50 / mo toward purchase of the modem (2 year contract). The costs for setting up the service at the phone switch and verifying that the connection was good at the house telephone network interface, etc. were incorporated in the

package for no additional cost.

The DSL service provided by my new phone company (actually a new local phone company competing with the local Baby Bell, Ameritech) can currently go as high as 768 kbps. I didn't want to pay for the additional bandwidth and figured that 256 kbps would be sufficient for now (it can be upgraded with a phone call and \$10 more per month). Some other DSL providers can go higher (i.e. 1 Mbps or more). Our community (Madison, WI) also has broad bandwidth available through a CATV provider (Bresnen@home, 1 - 2 Mbps) but it would be a bit more costly and basically requires that you get cable by virtue of the price structuring (which I don't care to receive). Though the cable modem is faster in its inherent speed, it is also a shared connection so if you have a lot of neighbors using their cable modems, the effective bandwidth is reduced.

Hope that answers your questions. Here are a few DSL links:

<http://www.tuketu.com/dsl/xdsl.htm>

<http://www.dslreports.com/>

http://www.paradyne.com/sourcebook_offer/sb_html.html#fig9
(Paradyne is the modem mfr. used by my phone co.).

73 de N9WR, Don C. Faith III

> -----

> From: Donny[SMTP:dsirait@centrin.net.id]

> Reply To: Donny

> Sent: Sunday, January 23, 2000 10:48 PM

> To: Faith III, Don C

> Subject: Re: Internet connection

>

> Dear Don,

>

> I read about your post to QRP-L about another home RFI source.

> Well here in YB land home use of hub is not common yet at least

> for now. I have yet to know whether there are any home user of

> ISDN connection here hi hi.

>

> You mention there about DSL connection. Can you please tell me

> what type of connection is it? is it Direct Satellite Link? If it is but

> then

> why 256 kbps should it be more faster than that? I heard that it can

> go beyond Mbps. What about cable TV ISP? A ham friend of mine

> in OE5 has a cable TV connection and mentioned that he is able

> to have a 2 Mbps link (wonder if it is a sync or Async connection).

>
> Here I have a V90 connection but rarely I got above 31,2 Kbps and
> still the effective connection rate is about 300 bps!!! (Most of our ISP
> use the shared bandwidth system except if you upgrade to a corporate
> user and only then youre given a minimum bandwidth).
>
> The total cost for an Internet connection here is still very high
> (telephone,
> monthly ISP fee and hours of use fee) for a lousy connection. Therefore
> many internet users here use their office facilities rather than having
> one
> at their home and even if they have one at home, they'll try to use the
> office facilities for downloads etc and home for e-mails.
> If you don't mind I would like to know what is the average cost there for
> a connection to the Internet (just to have a comparison).
>
> Thank you for reading and hope to work you someday on the air.
>
> vy 72 de Donny YB6LD/1
> Bekasi Indonesia
>

Date: Mon, 24 Jan 2000 07:11:51 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [61187] Very Nice QRP Homebrewers Web Page
Message-ID: <388C6BB7.837D7F98@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

If you haven't already seen this, check out the web page of Aleksander Stare, S57NAN at <http://www.qsl.net/s57nan/>. This gentleman is a master homebrewer.

Some of the most interesting designs (at least to me) are a PIC driven frequency counter, an 80 meter QRP SSB/CW transceiver and some 6-pole ladder filters.

--

==--==--==--==--==--==--==
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
==--==--==--==--==--==--==

Date: Mon, 24 Jan 2000 08:27:12 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrpl'" <qrpl@Lehigh.EDU>
Subject: [61188] Re: Subject: [60856] Going Solar
Message-ID: <87568F78ABDCD211A0AC0008C707718B31959D@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

Norm Wrote:

"I am considering buying a solar panel to charge either a 4AH or 7AH Gel Cell.
Would appreciate some info on good specs as to how much current I should look
for. I've seen some low end products at 125 ma and others that go to 500 ma
or
more. Do I need a higher current factor for a 7AH over a 4AH??
Any recommendations on products that have been recently bought that I might
look into??"

I took a small solar panel with me for one of the QRP contests this summer.
It puts out 180ma max into a 7 AH gell cell. It is not very big.... about
4" by 12". Call it a 2w panel. I think it is one half of the solar panel
that Goldmine Electronics was selling for \$25. Nice panel with a sturdy
aluminum frame and the cells mounted in gell.

I thought that it would be small enough that I would not need a regulator.
I just clipped it straight across the battery. After about an hour of heavy
operation, I stopped to measure my battery voltage and it was up to 15v!

I tried to compensate by adjusting the panel into a bad angle to the sun.
Still
too much charge. Then into partial shade... Still too much. I then just
resorted
to clipping it on when the voltage sagged to 12.3v and unclipping at 14v.

The good news is that with a regulator, I could use a smaller battery (4 AH
gell
cell) to handle the TX peaks, while the solar panel would handle the rest.

If you think about it, most the rigs we use draw only 10 to 40 ma on receive
and our TX duty cycle is really quite low. It does not take much to keep
a battery topped off under such conditions.

A small panel such as this is *much* lighter than the 20 AH gell cell I have

sometimes used.

- Dan Tayloe, N7VE; Phoenix, Az; QRPL # 696

Date: Mon, 24 Jan 2000 10:31:06 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'af852@rgfn.epcc.edu'" <af852@rgfn.epcc.edu>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [61189] RE: 30m QRP Frequency
Message-ID: <2D343922E283D211945C0008C7A41B2A01A74374@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I usta' think that the QRP "calling frequency" on 30M was at 10.106
(at least it was propagated that way in Dave Ingram's CQ column), but
it seems that 10.116 has more-or-less taken over as "THE" calling frequency
these days.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Ray Colbert [mailto:af852@rgfn.epcc.edu]
Sent: Sunday, January 23, 2000 5:18 PM
To: Low Power Amateur Radio Discussion
Subject: Re: 30m QRP Frequency

I think most references I have seen lately in the U.S. are
indicating 10.116. The NWQRP group used to use 10.123 but
that is virtually useless now as the WINLINK digital garbage
with their picket fence (every 1 Khz or less) transmission
system runs from 10.120 thru 10.126 - well into the rtty
range. 10.118 has been taken over by the fists group so not
much place to go around there if the commercial fax systems
come on. Have not heard too many of the qrp gang on that
band recently, so maybe a mute point. gl with your 30 meter
efforts.

73

Ray

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NARTE-NCT2

Date: Mon, 24 Jan 2000 08:59:19 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [61190] Re: XCVR: toroid winding help needed for RHR40/NC20.
Message-ID: <388C84E7.1C69@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The RHR40 toroids went in easily after I got the winding info. What is even more exciting is that the rx is working just fine. I used the main station rig as an RF source and peaked it up roughly. Then found a nice loud station on 7011. Tentative final tweaking brought it up to a very solid copy. As it was blasting the headphones, I got out the SONY walkman add-on speakers and plugged those it. The audio FILLED the workroom/shack! I believe I will put in that larger value resistor to cut down the audio gain a bit. This thing has plenty!

Other initial observations:

the filter seems plenty sharp. Lots of audio, of course. Still in love with the RED PCB and case.

I plan to implement many of the posted NC20 mods that apply to the RHR40. The arrival of Fall '99 QRPp was very timely! THANKS, Doug! If all goes well on the last two building stages in the manual, I should have RF into a dummy load by the first of Feb and then off to N6WG for some fine tuning and tweaking.

Boy is this fun!

73 K7GT

--

Allan Taylor agtaylor@llnl.gov

Date: Mon, 24 Jan 2000 11:59:09 EST
From: JFStrain@aol.com
To: qrp-l@lehigh.edu
Subject: [61191] Ramada Radiator revisited
Message-ID: <6.146571f.25bddedd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To all who were interested in the portable Slinky antenna, the article (which

I have finally located) appeared in the September 1986 issue of 73 magazine and was written by Lynn Lovell, WA8WVF, now W8MLL. The article describes the construction of a framework out of PVC pipe that allows the suspension of a Slinky from a center pole 7 to 8 feet high (1/4 inch dowel rods used to secure it at top and bottom) mounted on a base of PVC pipes forming a square with 2 foot long sides. Made of 3/4 inch pipe sections, it can be easily taken down for transporting. The author noted the value of using a groundwire from the tuner [you could hardly expect something like this to be resonant on any amateur band except by coincidence] to a water pipe. Obviously a counterpoise of some sort would help with performance, but the main thing about the idea is that it can make for a very portable and relatively rugged antenna for temporary use.

I have had a dickens of a time locating the magazine which had the article -- one of the problems of putting things away for safe keeping! But having found it again, I wanted to get it out as soon as possible. This is a project I had intended to act on, but some years have elapsed since 1986 and although I have the Slinky and the sections of 3/4 inch PVC pipe, I still have yet to try out the idea. Guess I will have to do that now!

72/73,
John W9MIU
QRP-L 1088 QRP-ARCI 8173
Zombie 250 ARS 571
10-10 71063

Date: Mon, 24 Jan 2000 16:48:11 +0000
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [61192] HB: Dan's Kits Centennial Transceiver?
Message-ID: <20000124.170551.-192651.1.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The Brockport Amateur Radio Klub, (BARK) is planning to run with all-homebrew/kitbuilt radios this year, and I was asked about the Centennial transceiver kit form Dan's Kits & Small Parts.

I don't have the original article or any info other than what's on Dan's site. Has anyone built one, and if so, what's your overall impression?

Direct replies to bbams@juno.com if you would please (It's easier to sort out from the List that way!)

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp

VP & FD'00 Chairman, Brockport Amateur Radio Klub
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 24 Jan 2000 08:37:53 -0700
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>, "'Alinco'" <IMCEASMPT-alinco+40qth+2Enet@eb-mail1.gwl.com>
Subject: [61193] Antenna Question
Message-ID: <F9645092A142D3118CBD00805F15292E04CE2094@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

I purchased one of those Alinco credit card radios over the weekend (DJ-C4).
It's cute and does hit the local repeaters from my house. It is on close
out at TechAmerica (RadioShack.com) for \$60 and I didn't have 440Mhz.

Anyway, is it possible to attach an external antenna to it? I was thinking
alligator clip to the antenna (fully collapsed) and ground to the case.

Anyone have any experience playing with this unit?

Thanks

de KI00T, Brad

Date: Mon, 24 Jan 2000 12:35:32 EST
From: Rod Johnson <ka7you@juno.com>
To: QRP-L@LeHigh.EDU
Subject: [61194] Polar Co-ordinate exam questions etc
Message-ID: <20000124.094601.2295.8.ka7you@juno.com>

I'm looking for a better source of information regarding the use and
application of polar co-ordinates as used in the RF world. Specifically,
this came up while studying for my extra calss exam. I am not
particularly interested in just memorizing answers. I want to understand
it.

The handbook does not seem to give me the necessary material, in a manner that I can seem to relate to it. I'm sure there is another explanation in the literature somewhere. Can you help me find another explanation?

The questions about reactance and inductance give me fits, along with the Smith chart concepts, but I'm getting that one slowly.

Thanks,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
80M thru 10M with K2 s/n268 and other fine QRP rigs.
VHF thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 24 Jan 2000 11:33:39 -0600
From: "George T. Baker" <w5yr@worldnet.att.net>
To: Kkanalz@excel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61195] Re: QST article on 75A-4
Message-ID: <388C8CF3.1931F967@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Once in my youth I spent some time in radar engineering at Electronics Park in Syracuse, NY.

Two classic tales were told of Karl's Swiss Navy Projects:

1. An electronics tech built a complete 1 KW two-meter AM transmitter in a lab and checked it out, etc. He then, over the course of many months, managed to "liberate" the component parts one at a time until he had everything transferred to his home. He then rebuilt the rig!
2. A second tech was not so lucky. He discovered that a local junk dealer would pay big \$\$\$ for coax cable. So, he would get a buddy to wrap his body with coax from the thighs to the armpits. He would then redress and calmly walk out the gate by the guard shack. One day, he accidentally dropped his lunch box - and was unable to bend over to pick it up. The guard became suspicious and that was the end of the infamous coax caper!

I should add that it was an unwritten rule that although they could, the guards would NEVER ask an engineer to open his briefcase or lunch box, etc. I plead the Fifth on any further discussion . . .

It was interesting that at TI a different atmosphere prevailed. There was a fair machine shop set up for the free and open use of employees for any purpose they desired. It was not uncommon to see a TI Vice President at lunch time bending or punching some sheet metal for a project. TI surplus and spare parts were readily available at junk prices at the Company Store. All it took was a form signed by the supervisor to carry "anything" out the gate.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

Karl Kanalz wrote:

>

> When I worked at Collins Radio, they were usually called "Swiss Navy
> projects". We were

> always in fear that some day, somehow, an Admiral from the Swiss Navy (the
> Swiss don't

> have one!) would suddenly appear, asking for a progress report on all those
> Swiss Navy Projects!!

>

> Karl K - W8TIF

> McKinney, Texas

Date: Mon, 24 Jan 2000 13:15:15 -0500

From: Sam Billingsley <SBillingsley@usaninc.com>

To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [61196] KIT: NOGAPIG "On Guard during Kit Construction"

Message-ID: <66FCE0D1DF76D311913800805F6D0FA35AF058@MAILSERVER1>

MIME-Version: 1.0

Content-Type: text/plain

Another valuable use for the NOGA PIG: protect your in progress kit construction or homebrew project from expensive failures.

For starters I recommend that you temporarily attach (solder) your "standard" power cable and connector to the board under construction.

Simply plug in your PIG to the board being built, the battery into the PIG

and then relax. Over voltage, reverse voltage, over current (shorts) and low battery are all detected.

Here's my setup during construction of a recent homebrew experiment. Notice the little yellow stickons on the transmitter schematic. Some of them require trace cuts and bridges so all are candidates for error and smoke. With the PIG 'NO SMOKE' or blown fuses since the PIG has a self-healing fuse (a RayChem PolySwitch).

The cost of not having to replace "real" one-time fuses will pay for the PIG over time.

Check out <http://ae4gx.home.mindspring.com/pigonguard.jpg>

So yet another reason to have one or more PIGs in your pocket!! Check the NOGA web page for details of the NOGAPIG project including ordering info.

Sam Billingsley AE4GX Atlanta, GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

Date: Mon, 24 Jan 2000 14:08:11 -0500
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: w5yr@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61197] Re: QST article on 75A-4... Urban legend???
Message-ID: <388CA31B.EB862121@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
This must be a urban legend! I heard variations of this story a couple of times before. The theft, dropping of the lunch box, and a suspicious gaurd are the common parts.

73,
Tom, kv2x

"George T. Baker" wrote:
...

> 2. A second tech was not so lucky. He discovered that a local junk dealer
> would pay big \$\$\$ for coax cable. So, he would get a buddy to wrap his
> body with coax from the thighs to the armpits. He would then redress and
> calmly walk out the gate by the guard shack. One day, he accidentally
> dropped his lunch box - and was unable to bend over to pick it up. The
> guard became suspicious and that was the end of the infamous coax caper!
>
>

Date: Mon, 24 Jan 2000 12:12:08 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: Kkanalz@excel.com, qrp-l@lehigh.edu
Subject: [61198] RE: 30m QRP Frequency
Message-ID: <200001241912.MAA23510@rgfn.epcc.edu>

The 10.106 freq was advocated some years ago but with some commercial
rtty and General Pacheco Radio (LOL) out of Argentina, running
overseas telephone stuff and many KW's of power, made that freq
not so good. some success was had on or about 10.105 with a
sharp filter and operating on the spot between space-mark. Lower
is not too good when Europe is coming thru because the German
meterological service operates their weather RTTY service on 10.101
and I understand they have refused requests to move. So the one
that still is relatively useful is the 10.116. There is a Fax
station that cranks up at times but it is closer to .118 and
with a filter, .116 is ok. Seems that as soon as someone selects
a calling frequency for qrp, others seem bent on usurping it for
their particular group as well.

Thanks for the note

73

Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Mon, 24 Jan 2000 19:33:01
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [61199] Re: QST article on 75A-4... Urban legend???

Message-ID: <200001241933.NAA10802@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

According to the QST article, there was no theft involved in the project.

Larry KA5T
Georgetown, TX

Date: Mon, 24 Jan 2000 11:49:41 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>, "Parker, Roy I." <ParkerRI@missouri.edu>
Subject: [61200] Re:Feedline Loss; CPU Ribbon OK IF!
Message-ID: <388CACD5.19B8DE@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow gang, we've got it. The configuration where the ribbon cable is GOOD!

I got an email from Roy asking about 4 wires of the ribbon cable with only the 2 outside wires used. He asked for other configurations but they didn't pass muster.

I measured the 37.5 feet of ribbon line for impedance using the SQRT(L/C) as before. I got 181 Ohms whether I used two adjacent wires or the two wires furthest apart. That correlates with my prior measurements here at 30 MHz. So far so good.

I then measured the resistor load SWR for Z1 and it was 5.0 at 30 Mhz on a 50 Ohm output RF-1 analyzer.

I connected the 180 Ohm resistor to the outside wires at the end of the cable and got a line input SWR of 4.6

Using the formula posted yesterday, the loss is ==> 0.16 dB

That's pretty good. Twinlead and teflon twisted wire is still better, and the ribbon line is #28 AWG, but this is not bad.

I connected up the 2 middle wires and it was horrible. I then paralleled up two wires on each side of the middle to try that out.

Results for 4 wire using 2 in parallel, each side:
LOSS=1.25 dB --> HORRIBLE.

SO! Bottom line, I would try a 4 wire section of the ribbon line, no need to remove the inner wires. You may create resonances if you do cut them out window style. ONLY USE THE TWO OUTSIDE WIRES FOR FEEDLINE.

Loss/100 feet is: .43 dB @ 30 MHz.

Perspective:

Teflon twisted wire: .05 dB Max for 37.5 feet. (.13 dB/100Ft.)
R/S 300 Ohm twin: .1 dB at 37.5 Feet. (.266 dB/100Ft.)

Regards, Ed/we6w "72"

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Mon, 24 Jan 2000 12:39:51 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [61201] FYBO 2K is almost upon us
Message-ID: <388CAA87.BB313FEA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

February 5, 2000, 1400Z - Feb 6, 0200Z is the day. If you're UTC challenged, it's:

Eastern: 0900 - 1900 Local

Central: 0800 - 1800 Local
Mountain: 0700 - 1700 Local
Pacific: 0600 - 1600 Local

Record the lowest temp at your operating position during the event.
If it warms up, don't worry. Stick with the lowest temp. Fahrenheit
only, pse.

Alternative power is anything other than AC mains. If you want to lug
a generator out into the cold, more power to you (pun intended, :-0))

Work a station once per band.....10-15-20-40-80-160 only. NO WARC.

Multipliers:

SPC: Only once.
QSO: Once per band.
Field location: x4
Alt. power: x2
QRPP (less than 1W): x2

Lowest temp: 65+ F = x1
50-64 F = x2
40-49 F = x3
30-39 F = x4
20-29 F = x5
Below 20 F = x6

Final score: QSOs x SPCs x Temp Multi (x Field) (x Alt Pwr) (x QRPP)

Logs to me by March 5 at N7KT callbook address or via e-mail.

Don't forget the gloves and Goat Roper's cap, :-)

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Mon, 24 Jan 2000 12:10:05 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61202] RE: 30m QRP Frequency
Message-ID: <20000124201005.7632.qmail@web2002.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks for all the inputs. Looks like 10.116 is the best place to look for QRP activity. These are all reasons why we build rigs with VFO or VXO capability. Still, I have found it easier to find a clear spot on 30m than on 40m where there are often SSB operations around 7040. Thanks for all the info - I was wondering what some of these other users were doing in the band - and glad we can share it!

Curt WB8YYY

--- William R Colbert <af852@rgfn.epcc.edu> wrote:
>
>
> The 10.106 freq was advocated some years ago but
> with some commercial
> rtty and General Pacheco Radio (LOL) out of
> Argentina, running
> overseas telephone stuff and many KW's of power,
> made that freq
> not so good. some success was had on or about
> 10.105 with a
> sharp filter and operating on the spot between
> space-mark. Lower
> is not too good when Europe is coming thru because
> the German
> meterological service operates their weather RTTY
> service on 10.101
> and I understand they have refused requests to move.
> So the one
> that still is relatively useful is the 10.116.
> There is a Fax
> station that cranks up at times but it is closer to
> .118 and
> with a filter, .116 is ok. Seems that as soon as
> someone selects
> a calling frequency for qrp, others seem bent on
> usurping it for
> their particular group as well.
> Thanks for the note
> 73
> Ray
>
> --
> Ray Colbert, W5XE
> OOTC 3618, SOWP 1064M
> El Paso, Tx (FAR WEST TEXAS!)

> also: w5xe@juno.com
>

Do You Yahoo!?
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Date: Mon, 24 Jan 2000 15:39:35 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <prm@hiwaay.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [61203] RE: Kit building
Message-ID: <000001bf66ab\$20e0afe0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the URLs Richard. What a flood of nostalgic memories came back upon seeing the photos of the AR-3.

As a kid, I delivered a ton of newspapers and saved my pennies (literally) until I could afford to buy one--sans cabinet. It was my first receiver--and I wish I still had it. Like many a Novice, I "upgraded" to a Halliscratchers SX-99 (which I still have here). It wasn't really much better than the little AR-3, to be honest. Both drifted like bandits on any frequency above 7 Mc.

I still have the QF-1 Q-multiplier here however, so if you need one, I might be persuaded to part with it.

GL with yours, and if you know of another for sale, let me know. -- Vy 73,
AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Richard Matthews
Sent: Monday, January 24, 2000 9:10 AM
To: Low Power Amateur Radio Discussion
Subject: Kit building

We will all probably agree that a big part of QRP enjoyment is the building

of the little rig you are QRPing on. The Small Wonder Lab kits, that I have just built, are the first ham radio kits that I have assembled since building an HW-101 Heathkit way back in the late seventies. It is still a lot of fun. I thought some of you other former Heathkit builders might enjoy the article about the history of the Heath Company that I found recently at <http://pacnet.ne.mediaone.net/resources/heathkit.txt>. It surely brings back memories.

I found and bought an old ragged Heathkit AR-3 SW receiver a few days ago. They were sold during the late 50's. The old set doesn't work correctly, but I hope to bring it back to life. See one like it at <http://oak.cats.ohiou.edu/~postr/bapix/AR3.htm>. I would like to lay my hands on a Heathkit AR-3 manual or a copy of one, so if any of you know of one please let me know. Also, I might need some of you expert troubleshooters advice as I start cleaning up the old rig.

While thinking about Heathkits, I thought back over the ones that I have owned through the years. They were a DX-20, DX-40, DX-100, HW-101, a Heath Q-multiplier, grid dip meter, capacitance meter, and an iambic keyerwish I still had them all.

Thanks to all of our QRP kit suppliers for keeping this part of ham radio alive and well.

73,

Richard, WA4NWW

Date: Mon, 24 Jan 2000 15:41:12 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <lewise@inetport.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61204] Re: QST article on 75A-4... Urban legend???
Message-ID: <003e01bf66ac\$81bb3140\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll admit when I first started reading the story, I thought it had to be a ripoff thing. Sorta like the 56/57/58/59... Cadillac in the country western song.

But then, when I was at Tandy, a LOT of people had machines that were 'grey'. They'd buy parts where and when they could. I bought

a Model II computer from a 'fire sale' in 1980 for example. A REAL fire... So I had to get a new face for the drive, a new tube, a new keyboard case and keys (separate at that time), and some new case parts. Then I 'built' an expansion bay by picking up SA800 drives at the Dallas Ham Fleamarket. The rest of the parts I got from RS National Parts, INCLUDING a serial number plate. So I had one of maybe a dozen or so expansion drive bays equipped with SA800 drives instead of TPI or CDC.

In fact, it was pretty common practice for the guys at Tandy to 'build' their own computers. I'm sure not everyone played by all the legit rules, but it was possible, but most did.

Mike

> According to the QST article, there was no theft involved in the
> project.
>
> Larry KA5T
> Georgetown, TX

Date: Mon, 24 Jan 2000 13:02:28 -0500
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [61205] Keyer Question
Message-ID: <20000124.130234.-763447.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I built an MSC (Modular Systems) keyer kit back about 1981 which I still use. It is the MK-2 model. Somehow, along the way, I lost the operating instructions for setting the dip switches for iambic, memory, etc. Does anyone have an instruction sheet for the MK-2 that will give me the dip switch settings ?

Thanks,

Fred W2XN w2xn@arrl.net
Lakeland, FL

W5YI-VE Skywarn #POL-007 Polk County ARES
AR QRP #233 QRP-L #1728 NJ-QRP #197 ZOMBIE #709

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 24 Jan 2000 16:08:00 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61206] Re: QST article on 75A-4
Message-ID: <3.0.32.20000124160747.00729ee4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:33 AM 1/24/00 -0600, you wrote:
>Once in my youth I spent some time in radar engineering at Electronics
>Park in Syracuse, NY.
>
>Two classic tales were told of Karl's Swiss Navy Projects:
>
>1. An electronics tech built a complete 1 KW two-meter AM transmitter in
>a lab and checked it out, etc. He then, over the course of many months,
>managed to "liberate" the component parts one at a time until he had
>everything transferred to his home. He then rebuilt the rig!
>
>2. A second tech was not so lucky. He discovered that a local junk dealer
>would pay big \$\$\$ for coax cable. So, he would get a buddy to wrap his
>body with coax from the thighs to the armpits. He would then redress and
>calmly walk out the gate by the guard shack. One day, he accidentally
>dropped his lunch box - and was unable to bend over to pick it up.
<snip>

This thread makes me chuckle remembering a guy who needed lead
for a muzzle-loader. I was an instructor/op at the GE reactor
facility north of Albany, NY and they would let you have most
anything as long as it seemed reasonable.
This person (with help), wrapped about 50 pounds of lead
shielding around his upper body to smuggle it out the gate.
We found him in the snow unable to get up but finally helped
him out the gate and to his car.
One of the best operations was by a CPO who wired some long
pieces of copper pipe under a bus used to transport students.

The bus was normally parked at a lot outside the gate when not needed and the CPO had the pipe delivered to him.
73 Pete NV4V

Date: Mon, 24 Jan 2000 13:33:27 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [61207] AR QRP Millennium challenge.
Message-ID: <388CC526.DD6AF6F8@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well folks, I just mailed off my \$3.00 for the AR Millennium challenge certificate. I declared 2,479 QRP QSO's conforming to all the rules for the year-long + 5 day contest. I bet this cert. is beautiful.

For those who get the AR magazine (email) it has the address.

Or:

Send \$3.00 and declaration you made XXXX Number of qso's conforming to the Arkansas Millennium challeng rules and are applying for the certificate TO:

Jeff Johnson, K0NI
365 Briarcliff Ave.
Hollister, MO 65672

OK. Double check. Yes, all typed correctly!

Deadline is somewhere in February so get your certification out soon.

72/Ed we6w

--
72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Mon, 24 Jan 2000 21:32:06 +0000
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freeseerve.co.uk>
To: qrp-l@lehigh.edu
Cc: gqrp@onelist.com
Subject: [61208] Swiss Navy Projects
Message-ID: <E12Cr7c-0004fs-00.2000-01-24-21-34-04@mail5.svr.pol.co.uk>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gangue,

I am reminded that the utility company I work for used to be called
South of Scotland Electricity Board

generally referred to as SSEB of course.

This led to unofficial projects being referred to as jobs for
Secret Service Edinburgh Branch,

especially since much material/tools/kit was stamped with the initials
SSEB at regular intervals and various places to help prevent liberation
from official use.

Regards

Mel

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72 & 73 de Mel
GM6JAG
Edinburgh Scotland UK

Home of the last HW9

Arachne, the Internet Suite and "QRP" Browser for DOS, supports tables, graphics, animations, forms, HTML 4.0 Transitional Pages and more!

<http://www.arachne4dos.freeseerve.co.uk>

Date: Mon, 24 Jan 2000 21:36:29 +0000
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freeseerve.co.uk>
To: qrp-1@lehigh.edu
Cc: gqrp@onelist.com
Subject: [61209] HB: Euramcom web pages
Message-ID: <E12Cr8L-0005QG-00.2000-01-24-21-34-50@mail12.svr.pol.co.uk>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gangue,

Have added full Buckmaster callsign search to the site for those seeking info on US and international calls.

The "What's New!" page lists new features as they are added to the site.

I need information from US and Canadian hams on licensing, trying to get to-gether the info for equivalent licenses. Anyone point me towards same?

Regards

Mel

Visit Mel's EURAMCOM pages for US/Euro Equivalent Parts
Resistors, Capacitors, Tubes, Color Codes, Wiring and more!

<http://www.euramcom.freeseerve.co.uk>

NEW! add your own homepage link INSTANTLY to the EurAmCom Pages

e-mail to: gm6jag@arrl.net
or: mel@euramcom.freeseerve.co.uk

72 & 73 de Mel
GM6JAG
Edinburgh Scotland UK
Home of the last HW9

Arachne, the Internet Suite and "QRP" Browser for DOS, supports tables, graphics, animations, forms, HTML 4.0 Transitional Pages and more!

<http://www.arachne4dos.freemove.co.uk>

Date: Mon, 24 Jan 2000 14:02:33 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61210] Re: QST article on 75A-4
Message-ID: <Pine.GS0.4.10.10001241359150.15995-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

When I was just getting started in Ham Radio, my Elmer,
long since a SK, gave me some 813 tubes. These were carried
home in a Thermos with the lining removed! Fit just right....

Can't remember just where he worked but it was one of those
places with guards!

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Mon, 24 Jan 2000 15:51:01 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [61211] Re: FYBO 2K is almost upon us
Message-ID: <388CD755.C6EC3BE7@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

WELL! Talk about UTC challenged.....I really messed that up.

EST = 0900-2100 Local
CST = 0800-2000 Local
MST = 0700-1900 Local
PST = 0600-1800 Local

I guess I'm locally challenged.....hard to make the conversion, :-)

Sri abt that.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Mon, 24 Jan 2000 18:37:52 EST
From: K2UD@aol.com
To: Kkanalz@excel.com
Cc: qrp-l@lehigh.edu
Subject: [61212] Re: 30m QRP Frequency
Message-ID: <ba.c6d642.25be3c50@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

10.116MHz was adopted in Europe due to commercial interference on 10.106MHz.
Haven't heard any here, but do hear much on 10.103MHz.

72

Howard Kraus, K2UD

Date: Mon, 24 Jan 2000 15:52:53 -0800
From: Mike Gipe <mgipe@reliablemeters.com>
To: we6w@netzero.net
Cc: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
Subject: [61213] RE: Feedline Loss; CPU Ribbon OK IF!
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928E8AE@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Ed --

I haven't had a chance to look up the ARRL Antenna book reference, but it sounds familiar enough that I might have run across it in the past. Essentially, it tabulates the effective improvement to SWR due to the loss in a transmission line, I guess. This loss figure would be the actual loss in the line if it were terminated in its characteristic impedance, even though the test is performed with a mismatched load. Am I right?

Interesting results for the 4 wire line with two phantom ballast wires in the middle!

Seems like a usable field antenna system might use a ZM2 to match the rig to 200 ohms, feeding a four wire ribbon cable with the outer two wires driven, to a 4:1 balanced-to-balanced transformer at the antenna feed point, which would be the center of a resonant doublet. The loss, even at 10 meters, would not be too terrible -- certainly better than RG174?

Your thoughts?

Mike K1MG

> -----Original Message-----
> From: Ed Loranger [mailto:we6w@netzero.net]
> Sent: Monday, January 24, 2000 11:50 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re:Feedline Loss; CPU Ribbon OK IF!
>
>
> Wow gang, we've got it. The configuration where the
> ribbon cable is GOOD!
> <snip>

Date: Mon, 24 Jan 2000 16:53:46 -0700 (MST)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [61214] Using the RS 10 Meter XCVR on CW???
Message-ID: <Pine.LNX.4.10.10001241637460.10239-1000000@mesastate.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Recently, I heard a discussion on this list concerning the use of a tone

generator to produce a form of CW on the Radio Shack 10 meter XCVR. My recollection of the FCC rules is that both tone modulated CW and frequency modulated tone keying are legal only above 50.050 MHz. Have these rules been changed? I admit that I am reaching way back in my memory for this recollection so I may be wrong.

73,

Jim W0KSD

End of QRP-L Digest 1710

